

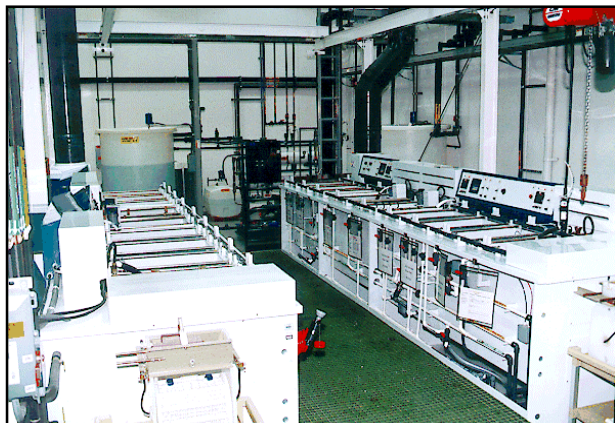
The EPA's  
**Environmental  
Technology  
Verification Program**



# Pollution Prevention Metal Finishing Technologies

## What is ETV?

The Environmental Protection Agency (EPA) has instituted a new pilot program, the Environmental Technology Verification Program (ETV) to verify the performance of innovative technical solutions to problems that may affect human health or the environment. Managed as part of the President's Environmental Technology Initiative by EPA's Office of Research and Development, ETV was created to substantially accelerate the entrance of new environmental technologies into the domestic and international marketplace. It will provide technology buyers and suppliers, consulting engineers, States, and EPA regions with high quality data on the performance of new technologies. This will allow more rapid protection of the environment with better and less expensive approaches.



## Environmental Technology Verification for Metal Finishing (ETV-MF)

EPA and Concurrent Technologies Corporation (CTC) are partners in the pilot ETV Program for Pollution Prevention Metal Finishing (MF) Technologies. CTC has teamed with CAI Resources, Inc.; CAMP, Inc.; Integrated Technologies, Inc.; and the Michigan Manufacturing Technology Center in this important program. The ETV-MF Program is coordinated from the CTC office in Largo, Florida.

## ETV-MF Goal

The goal of the ETV-MF Program is to verify the performance characteristics of metal finishing pollution prevention technologies in commercial use through unbiased third-party testing under actual operating conditions in metal finishing shops nationwide.

## Two Approaches to Verification

The ETV-MF pilot is investigating two approaches to verification testing: standard technology verification, and generic technology verification. Technology developers have the option of participating in either approach. Under standard technology verification the performance of a single commercial product is verified for a specific application. The technology developer and contact information is identified in the verification statement and report. Under generic technology verification the performance of classes of technologies are verified for a specific application. Company names are not linked to the test results. However, companies taking part in a generic verification are acknowledged in the test report.

## Stakeholder Group

A Stakeholder Group has been formed to guide the ETV-MF program. The Stakeholder Group Members represent technical associations, metal finishing shops, pollution prevention technology suppliers, industry consultants, and Federal, State and local government. The role of the Stakeholder is to help build a solid foundation for the ETV-MF Program and contribute to its success by :

- Identifying critical problem areas within the metal finishing industry
- Assisting in prioritizing the types of technologies to be verified
- Providing input to the development of test procedures that will be used in the verification testing
- Reviewing selected ETV-MF verification reports
- Assisting in defining the outreach activities appropriate to the technology area and customer groups
- Serve as information conduits to the particular constituencies that each member represents

### The verification process involves:

- ✓ Identifying critical areas within the metal finishing industry requiring pollution prevention solutions;
- ✓ Identifying innovative pollution prevention technologies that address the critical areas;
- ✓ Soliciting commercially-ready technologies for verification testing;
- ✓ Conducting verification testing of those technologies in metal finishing shops, under actual operating conditions; and
- ✓ Disseminating the verification results to all interested parties.

### Benefits of the ETV-MF Program include:

- ✓ Identifying promising and innovative metal finishing pollution prevention technologies;
- ✓ Generating confidence in innovative pollution prevention technologies and enhancing their deployment in metal finishing operations;
- ✓ Accelerating the development and commercialization of pollution prevention technologies; and
- ✓ Providing objective performance data to providers, purchasers, and permittees of environmental technologies.

## Invitation to Participate

*Providers and users of innovative pollution prevention technologies for metal finishing who are interested in participating in the ETV-MF Program, or would like to be placed on our mailing list, should call the EPA or CTC program offices listed. Additional information is also available by accessing the following web sites:*

<http://www.etv-mf.org> or <http://www.epa.gov/etv>

#### **Jim Voytko**

CTC Program Manager  
7990 114th Avenue, Suite 2  
Largo, FL 33773  
(888) 745-3749 or (727) 549-7006  
[voytkoj@ctc.com](mailto:voytkoj@ctc.com)

#### **Alva Edwards Daniels**

EPA Project Officer  
26 W. Martin Luther King Drive, MS 445  
Cincinnati, OH 45268  
(513) 569-7693  
[daniels.alva@epamail.epa.gov](mailto:daniels.alva@epamail.epa.gov)

## Concurrent Technologies Corporation

Concurrent Technologies Corporation (CTC), an independent nonprofit organization, serves as a national resource committed to the industrial base achieving world-class agility and competitiveness. Through ongoing relationships with academia, government, and industry, CTC executes research, development, deployment, training, and education activities in the solution of problems for a broad range of clients. CTC is comprised of professional staff having the requisite experience, knowledge, and resources to rapidly and effectively transition science and technology applications.